Human pol Human mem Amino aci

Cancer/an

PRO polyp Novel bro High affi Human hig Angiogene Human Gec Human rec

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Novel

Human Human

Human Human

Human

score:

Title: Perfect

Sequence:

OM protein

Run on:

Scoring table:

Total number Minimum DB Maximum DB

Maximum

Database

Searched:

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Human IgE receptor beta subunit protein - and corresponding peptide(s) and fusion protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human beta subunit of Fc epsilon RI; ARAM; Fc epsilon RI beta chain; antigen recognition activation motif; human beta subunit; allergy; high-affinity immunoglobulin E receptor.
                                                                                                                                   Aay50174
Aak65835
Aay4973
Adr41417
Adr1054
Adr1054
Adr3135
Adr4135
Adr41397
Adr41416
Ada83822
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                              Abb65023
Abr55608
Adn39992
Adp25105
Adu06669
Aaw96745
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human beta subunit of Fc epsilon RI polypeptide sequence.
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181. .201
/note= "transmembrane domain"
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ADP25105
ADV06669
AAW96745
AAX960174
ADK65835
AAX94973
AAX15224
ADA115224
ADA115224
ADA1160964
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ADR41397
ADR41416
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WPI; 1998-520207/44.
N-PSDB; AAV54661.
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 Homo sapiens
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16-APR-1993;
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1 MDTESNRRANLALPQEPSSV......YSATYSELEDPGEMSPPIDL 244
                                                                                                                 March 2, 2006, 18:41:26; Search time 70.0319 Seconds
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Adv2016
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                GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 0.5
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geneseqn2000s:*
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222 223 223 233 244 253

Score

Result

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Gaps

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180 180 240

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Novel polynucleotide useful for therapeutic purposes, nucleotide polymorphisms in immunoglobulin E receptor
                                                                               Mismatches
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                                                                                                                                                                                                                                                      standard; protein; 244 AA.
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100.0%; Pred
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                                                                                                                                                                                                                                                                                                                                                                                            99US-0150423P
                                                                                                                                                                                                                                                                                                            Human; immunoglobulin E recallergy; asthma; rhinitis;
                                                               Query Match
Best Local Similarity 100.
Marches 244; Conservative
                                                                                                                                                                                                                                                                                15-MAY-2001 (first entry)
                                                                                                                                                                                                                                                                                              Human IGERB SEQ ID NO: 3
                                                                                                                                                                                                                                                                                                                          atopy; probe; PCR primer
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                                                     Sequence 244 AA;
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several polymorphic variants of the human immunoglobulin E receptor beta chain (IGERB). These contain single nucleotide polymorphisms (SNPs) which may be indicative of a predisposition to atopy, allergy, asthma, rhinitis and eczema. Also provided are the sequences of probes and primers for use in identifying the genotype of an individual with regards to the IGERB gene. The IGERB gene is found at human chromosome 11q13. The sequences are all useful in therapeutics. The present sequence is the IGERB protein
                                                                                                                                                                                                                                                                                 1 MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQEF*60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Inhibiting expression of high affinity receptors for immunoglobulin (Ig) E, in cell or in subject to treat atopy, anaphylaxis mediated by IgE, by contacting cell or administering to subject, a FCERIbeta chain variant.
                                                                                                                                                                                                                                                                                                                                LGVTQILTAMICLCEGTVVCSVLDISHIEGDIFSSFRAGYPFWGAIFFSISGMLSIISER
                                                                                                                                                                                                                                                                                                                                                      61 LGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIISER
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conjunctivitis, rhinitis, anaphylaxis, urticaria, angioedema.
                                                                                                                                                                                         Length 244;
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100.0%; Pred. No. 1.2e-133;
ive 0; Mismatches 0;
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(BETH-) BETH ISRAEL DEACONESS MEDICAL CENT.
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epsilon RI [high-affinity immunoglobulin E receptor]. The invention provides a peptide fragment (AAWT5917) from the human Fc epsilon RI beta subunit protein that contains the amino acid sequence of an ARAW [antigen recognition activation motif]. Aspects of the invention are methods and compositions to inhibit the function of human beta subunit, thereby treating or preventing allergic reactions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       240
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beta chain
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                                                                                                                                                                                      Length
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Pred. No. 1.2e-133;
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	Copyright

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March 2		
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US-10-088-703A-2	1238	1 MDTESNRRA	
Title:	Perfect score: 1238	Sequence:	

JL 244

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

Total number of hits satisfying chosen parameters: 283416 seqs, 96216763 residues Searched:

283416

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

PIR_80:*
1: pir1:*
2: pir2:*
3: pir3:* Database :

by chance to have a the result being printed, Pred. No. is the number of results predicted by chance to becore greater than or equal to the score of the result beir and is derived by analysis of the total score distribution.

Description	Ide Roboton be	otor het	IGE FC receptor be		ptor b	urfac	testis expressed t	desmocollin, type		v	conserved hypothet	amino acid antipor		nitrate reductase	Na+/H+ antiporter	hypothetical prote	conserved hypothet	NADH2 dehydrogenas	alkaline phosphata	probable integral	•#	-1	NADH dehydrogenase	hypothetical prote			>		
SUMMARIES	A42806	75	B34342	A31231	159258	A30586	JC7585	B55363	A55363	A30558	E86764	H81697	T22848	RDNTNT	F70155	G83685	G71341	G75389	AF1680	H71561	E86313	S27868	D84214	T27326	936	382	A69679	T32339	9709
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Length	244	152	235	243	214	297	. 200.	826	.896	291	921	466	629	904	701	722	377	492	207	318	20	m	380	470	~	10	4447	253	4
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0	1238	166	697.5	645.5	185.5	2	123.5	111	111	103.5	96.5	94	06	B	86.5	98	85.5	85	4.	4.	84.5	84		ω.	۳,	83.5	ë.	83	
Result No.	1	7	m	4	ស	ø	7	80	თ	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	29

. hypothetical prote	probable NreB prot	hypothetical prote	amino acid permeas	probable permease	amino acid transpo	amino acid antipor	nitrate reductase	hypothetical prote	multidrug resistan	NADH2 dehydrogenas	hydroxymethylgluta	ferric vibriobacti	hypothetical prote	calcium/proton ant	presenilin-beta -
T15178	H95373	F83907	D86633	G95876	B86526	D72097	RDBHNP	T44945	E69804	S07744	S72194	C82281	T47001	AI0238	JC5391
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350	440	181	437	449	468	468	891	374	417	570	1053	358	366	366	449
6.7	6.7	9.9	9.9	9.9	9.9	9.9	.6.5	6.5	6.5	6.5	6.5	. 6.5	6.5	6.5	6.5
82.5	82.5	81.5	81.5	81.5	81.5	81.5	81	80.5	80.5	80.5	80.5	80	80	80	80
30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	. 45

ALIGNMENTS

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C.Date: 19-May-1994 #sequence_revision 19-May-1994 #text_change 09-Jul-2004
C.Accession: A42806; S21154
C.Accession: A42806; S21154
R.Kuester, H.; Zhang, L.; Brini, A.T.; MacGlashan, D.W.J.; Kinet, J.P.
B. Biol. Chem. 267, 11278-112787, 1992
A; Title: The gene and cDNA for the human high affinity immunoglobulin E receptor beta A; Reference number: A42806; MUID:92316966; PMID:1535625
A; Accession: A42806
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Cross-references: UNIPROT:Q01362; UNIPARC:UPI0000038E6F; GB:M89796; NID:g337417; PII
R;Maekawa, K.; Imagawa, N.; Tanaka, Y.; Harada, S.
IgE Fc receptor beta chain - human C; Species: Homo sapiens (man)
                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Molecule type: DNA
A; Residues: 1-244 <KUE>
                                                                                                                                                                                                                                                                                                                                                                                                                ,Status: preliminary
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A;Cross-references: UNIPARC:UP10000038E6F; GB:D10583; NID:g219881; PIDN:BAA01440.1; P. C;Genetics: A;Title: Determination of the sequence coding for the beta subunit of the human high-1-244 <MAE> A, Accession: S21154 A, Status: preliminary A, Molecule type: mRNA A;Residues:

A;Introns: 19/2; 62/3; 107/3; 126/3; 179/3; 212/3 C;Keywords: immunoglobulin receptor; transmembrane protein

ö 9 1 MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQEF Gaps ö Query Match 100.0%; Score 1238; DB 2; Length 244; Best Local Similarity 100.0%; Pred. No. 3.7e-107; Matches 244; Conservative 0; Mismatches 0; Indels 0. ò

61 LGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIISER 120 61 LGVTQILTAMICLCPGTVVCSVLDISHIBGDIFSSFKAGYPFWGAIFFSISGMLSIISER 120 RNATYLVRGSLGANTASSIAGGTGITILIINLKKSLAYIHIHSCQKFFETKCFMASFSTE 180 1 MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQEF 60 121 a 원 ò ò g

181 IVVMMLFLTILGLGSAVSLTICGAGEELKGNKVPEDRVYEELNIYSATYSELEDPGEMSP 240 181 IVVMMLFLTILGLGSAVSLTICGAGEELKGNKVPEDRVYEELNIYSATYSELEDPGEMSP ò g

PIDL 244 241 PIDL 244 241 ઠે 셤 the h

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A;Cross-references: UNIPROT:P13386; UNIPARC:UP1000003FFBD; GB:M22923; GB:J03845; NID:c
C;Keywords: immunoglobulin receptor; transmembrane protein
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R; Adra, C.N.; Lelias, J.M.; Kobayashi, H.; Kaghad, M.; Morrison, P.; Rowley, J.D.; Lin Proc. Natl. Acad. Sci. U.S.A. 91, 10178-10182, 1994
A; Title: Cloning of the cDNA for a hematopoietic cell-specific protein related to CD2(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A, Cross-references: UNIPARC: UPI000002EF35; GB: L35848; NID: 9561638; PIDN: AAA62319.1; PJ
                                                                                                                                                                                                                                                      for the beta-subunit of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EFLGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIIS 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    119 ERKUTLYLVRGSLGANIVSSIAAGLGIAILLINLSNNSAYMNY--CKDITEDDGCFVTSF 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ERRNATYLVRGSLGANTASSIAGGTGITILIINLKKSLAYIHIHSCQKFFETK-CFMASF 177
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                                                                                                        high-affinity IgE receptor beta chain - rat
C;Species: Rattus norvegicus (Norway rat)
C;Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 09-Jul-2004
C;Accession: A31231
R;Kinet, J.P.; Blank, U.; Ra, C.; White, K.; Metzger, H.; Kochan, J.
Proc. Natl. Acad. Sci. U.S.A. 85, 6483-6487, 1998
A;Title: Isolation and characterization of CDNNs coding for the beta-subunit
A;Reference number: A31231; MUID:88320465; PMID:2970642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C;Species: Homo sapiens (man)
C;Date: 31-May-1996 #sequence_revision 31-May-1996 #text_change 05-Nov-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 MDTESNRRANLAL - PQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23 ETGPEELNTSVYHPINGSPDYQ-----KAKLQVLGAIQILINAAMILALGVFLGSLQYPY
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                                                                                                                                                                                                                                                                                                                                                                                                                                    52.1%; Score 645.5; DB 2; Length 55.1%; Pred. No. 3e-52; 1ve 33; Mismatches 70; Indels
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A,Molecule type: mRNA
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Pred. No. 1.1
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A,Map position: 11q12-11q13.1
C;Keywords: immunoglobulin receptor
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ilarity 28.5%;
Conservative 3:
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Best Local Similarity 55.1%
Matches 135; Conservative
  229 TSSPVD 234
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A;Molecule type: mRNA
A;Residues: 1-243 <KIN>
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Best Local Similarity
Matches 55; Conserv
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                                                                                                                                              R,Bieber, T.; de la Salle, H.; Wollenberg, A.; Hakimi, J.; Chizzonite, R.; Ring, J.; Han
J. Exp. Med. 175, 1285-1290, 1992
A;Title: Human epidermal Langerhans cells express the high affinity receptor for immunog
A;Reference number: JH0751; MUID:92235608; PMID:1533242
                                                                                                                                                                                                                                                                A,Status: preliminary
A,Molecule type: DNA
A,Residues: 1-152 <BIE>
A,Cross-references: UNIPROT:Q14298; UNIPARC:UPI0000073ACE; GB:X66187; NID:g396463; PIDN:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RiRa, C.; Jouvin, M.H.E.; Kinet, J.P.
J. Biol. Chem. 264, 15323-15327, 1989
A;Title: Complete structure of the mouse mast cell receptor for 1gB (Fc-epsilon-RI) and A;Reference number: A34342; MUID:89359361; PMID:2527850
A;Accession: B34342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Residues: 1-235 <RAC>
A;Residues: 1-235 <RAC>
A;Cross-references: UNIPROT:P20490; UNIPARC:UPI00000223FC; GB:J05019; NID:g193238; PIDN:C;Keywords: immunoglobulin receptor; transmembrane protein
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                                                                           Species: Homo sapiens (man)
Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IGE Fc receptor beta chain - mouse
C;Species: Mus musculus (house mouse)
C;Date: 15-Jun-1990 #sequence_revision 15-Jun-1990 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 ICLCFGTMVCSVLDISHIEGDIFSSFRAGYPFWGAIFFSISGMLSIISERRNATYLVRGS
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Pred. No. 1.2e-63;
3; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  56.3%; Score 697.5; DB 2; llarity 57.7%; Pred. No. 4.4e-57; Conservative 33; Mismatches 56;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LGLGSAVSLTICGAGEELKGNKVPEDRVYEEL 222
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                                                                                                                                                                                                                                                                                                                                                                                  61.9%;
98.0%;
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Best Local Similarity 98.0
Matches 149; Conservative
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Best Local Similarity
Matches 142; Conserv
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                                                                                                                             Accession: JH0751
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OM protein - protein search, using sw model

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US-10-088-703A-2 1238 1 MDTESNRRANLALPQEPSSV.......YSATYSELEDPGEMSPPIDL 244 Perfect score:

BLOSUM62 Gapop 10.0 , Gapext 0.5 . Scoring table: Sequence:

2166443 seqs, 705528306 residues Searched: Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

UniProt 05.80:*

Database

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. 1: uniprot_sprot:* 2: uniprot_trembl:*

SUMMARIES

Description	Q01362 homo sapien	Q54a81 homo sapien	homod	m snm o	Q8mj38 sus scrofa	P13386 rattus norv	Q99n09 mus musculu	Q5xij0 rattus norv	Q99n07 mus musculu	Q99n10 mus musculu	Q96jq5 homo sapien	Q9nxj0 homo sapien	homo	mus m	Q810h7 mus musculu	Q53zu3 mus musculu	Q4jf27 homo sapien	homo	mus m	Q9by19 homo sapien	Q58dm5 bos taurus	Q9gzw8 homo sapien	Q6iag8 homo sapien	Q567kl brachydanio	Q924w0 mus spretus	P97890 mus musculu	Q99n04 mus musculu	Q8bv59 mus musculu	mus	O810p8 mus musculu	Q9h2w1 homo sapien
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MICLEOLINE-2388257; PubMed=1247,921; DoI=10.1073/pnas.242603899;

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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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Hum. Mol. Genet. 5:2068-2068(1996).
-!- FUNCTION: Binds to the Fc region of immunoglobulins epsilon. High
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        affinity receptor. Responsible for initiating the allergic response. Binding of allergen to receptor-bound IgE leads to cell activation and the release of mediators (such as histamine) responsible for the manifestations of allergy. The same receptor also induces the secretion of important lymphokines.

-!- SUBNINIT Tetramer of an alpha chain, a beta chain, and two disulfide linked gamma chains.

-!- SUBCELLUTAR LOCATION: Integral membrane protein.

-!- TISSUE SPECIFICITY: Found on the surface of mast cells and
                     MEDLINE=96414302; PubMed=8817330; DOI=10.1093/hmg/5.7.959;
Hill M.R., Cookson W.O.;
"A new variant of the beta subunit of the high-affinity receptor for
immunoglobulin E (Fc epsilon RI-beta E237G): associations with
measures of atopy and bronchial hyper-responsiveness.";
Hum. Mol. Genet. 5:959-962(1996).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -!- POLYMORPHISM: Variant Glu-237 has been found to be present in about 5.3% of a 1004 individuals population sample in Australia It seems to be a risk factor for atopic dermatitis and asthma.-!- SIMILARITY: Belongs to the MS4A family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     G0:0005887; C:integral to plasma membrane; TAS. G0:0005262; F:calcium channel activity; TAS. G0:0008831; F:call proliferation; TAS. G0:0000186; P:GTDrotein coupled receptor protein signalin. G0:0006959; P:humoral immune response; TAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gE-binding protein; Multigene family; Polymorphism; Receptor;
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/FTId=VAR 003965.
CE52310ZD5F567AF CRC64;
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Potential.
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Potential.
Extracellular (Potential)
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E -> G (in dbSNP:569108)
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EMBL; M9796; AAA60269.1; -; Genomic_DNA.
EMBL; BC074840; AAH74800.1; -; mRNA.
EMBL; BC074843; AAH74843.1; -; mRNA.
EMBL; BC074843; AAH74843.1; -; mRNA.
EMBL; BC074843; AAH74843.1; -; mRNA.
Ensembl; ENSG0000014934; Homo sapiens.
HGNC; HGNC: 7316; M84A2.
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VARIANT GLY-237
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IELEX: 899149
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
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US-07-869-933-32
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March 2, 2006, 18:46:52 ; Search time 20.5649 Seconds
(without alignments)
980.936 Million cell updates/sec
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Sequence 5, A
Sequence 34,
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1238
1 MDTESNRRANLALPQEPSSV.......YSATYSELEDPGEMSPPIDL 244
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        GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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/cgn2_6/ptodata/1/iaa/6_COMB.pep:*
/cgn2_6/ptodata/1/iaa/H_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
/cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
                                                                                                                                                                                                                            Fotal number of hits satisfying chosen parameters:
                                                                                                                                                                                                        572060 segs, 82675679 residues
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                                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                    - protein search, using sw model
                                                                                                                                                                      BLOSUM62
Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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Match Length
                                                                                                                        Title:
Perfect score:
                                                                                                                                                                        Scoring table:
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645.5
200.5
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                                                     OM protein
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                                                                             Run on:
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Sequence 32, Application US/07869933
Patent No. 5770396
GENERAL INFORMATION:
APPLICANT: ALINET, Jean-Pierre
TITLE OF INVENTION: THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR TITLE OF INVENTION: IMMUNOGLOBULIN
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .
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MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/869,933
FILING DATE: 19920416
CLASSIFICATION NUMBER: 214
ATORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/POCKET UNMBER: 29,768
REFERENCE/COCKET UNMBER: 29,768
TELEPRA: (703)836-9300
TELEPRA: (703)836-9300
TELEPRA: (703)836-9300
US-09-904-615-142
US-010-054-988-142
US-010-054-988-142
US-09-736-457-1677
US-09-658-824-1677
US-10-017-754-1677
US-10-017-754-1677
US-10-017-754-1874
US-10-017-754-1876
US-10-017-754-1876
US-09-681-874-1876
US-09-489-847-207
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121 RNATYLVRGSLGANTASSIAGGTGITILIINLKKSLAYIHIHSCQKFFETKCFMASFSTE 180
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Isolation, characterization, and use of the human beta TITLE OF INVENTION: subunit of the high affinity receptor for TITLE OF INVENTION: subunit of the high affinity receptor for TITLE OF INVENTION: immunoglobulin E. FILE REFERENCE: 50490 CURRENT APPLICATION NUMBER: US/09/103,663D CURRENT FILING DATE: 1998-06-23 EARLIER FILING DATE: 1998-06-23 EARLIER FILING DATE: 1992-04-16 NUMBER OF SEQ ID NOS: 35 SOFTWARE: Patentin Ver. 2.1
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                        1 MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQEF 60
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      MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQEF
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Best Local Similarity 100.0%; Pred. No. 1.2e-132;
Matches 244; Conservative 0; Mismatches 0;
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CORGANISM: Homo sapiens
US-09-103-663-32
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|PIDL 244
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US-09-949-016-5892
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                                                            120
                                                                           RNATYLVRGSLGANTASSIAGGTGITILIINLKKSLAYIHIHSCOKPFETKCPMASFSTE 180
                                                                                                                                                                  121 RNATYLVRGSLGANTASSIAGGTGTTLIINLKKSLAYIHIHSCQKFFETKCFMASFSTE 180
                                                                                                                                                                                                              IVVNMLFLTILGLGSAVSLTICGAGEELKGNKVPEDRVYEELNIYSATYSELBDPGEMSP 240
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                                                        LGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIISER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.0%; Score 1238; DB 1; Best Local Similarity 100.0%; Pred. No. 1.2e-132; Matches 244; Conservative 0; Mismatches 0;
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3000 K Street, N.W., Suite 500
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FILING DATE: 16-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/03419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 3, Application US/08201879A Patent No. 5807988 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: KINET, Jean-Pierre
APPLICANT: JOUVIN, Marie-Helene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 16-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A
REGISTRATION NUMBER: 29,768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 4
TELECOMMUNICATION INFORMATION
TELEPHONE: (202)672-5300
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Washington
STATE: D.C.
COUNTRY: USA
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.: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
.: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
.: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
.: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
.: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
.: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*
                   GenCore version 5.1.7 Copyright (c) 1993 - 2006 Biocceleration Ltd.
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Maximum Match 100%
Listing first 45 summaries
                                                                                                            - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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1238
                                                                                                                                                                                                                                                  Title:
Perfect score:
Sequence:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Sequence 124, Appl Sequence 42, Appl Description Sequence 1 Sequence 4 Sequence 4 Sequence US-10-369-214-123 US-10-433-287-50 US-10-433-287-52 US-10-433-287-28 US-10-433-287-32 US-10-433-287-32 US-10-295-027-452 US-10-295-027-452 US-10-295-027-1310 US-10-295-027-1310 US-10-295-027-1310 US-10-295-027-1310 US-10-295-027-1310 US-10-295-027-1310 US-10-105-115-102 US-10-105-115-102 US-10-105-115-102 US-10-105-115-102 US-10-105-115-102 US-10-105-115-102 US-10-105-115-102 US-10-105-115-102 US-10-450-763-47363 US-09-739-254-73 US-10-369-214-124 SUMMARIES Query Match Length DB 1238 1238 697.5 697.5 645.5 209 201.5 Score . 190 189.5 189.5 189.5 189.5 189.5 186.5 186.5 Result No.

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Sequence 50, Application US/10433287
Publication No. US20040137566A1
GENERAL INFORMATION:
APPLICANT: Tedder, Thomas F
APPLICANT: Idang, Yinghua
TITLE OF INVENTION: Hematopoietic Cells
FILE REFERENCE: 180/132 PCT/US
CURRENT APPLICATION UNMER: US/10/433,287
CURRENT FILING DATE: 2003-11-12
                                                                                                                                                                                                                                                                                                                  59 RFLGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIIS 118
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                                                                                                          Ouery Match 56.3%; Score 697.5; DB 4; Length 235; Best Local Similarity 57.7%; Pred. No. 3.8e-65; Matches 142; Conservative 33; Mismatches 56; Indels 15;
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                       ; LOCATION: (1) . (235)
; OTHER INFORMATION: /note="IGE receptor beta chain"
US-10-369-214-123
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Mus musculus
US-10-433-287-50
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    NAME/KEY: SITE
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                                                                                                                                                                                         APPLICANT: Tedder, Thomas F
APPLICANT: Tedder, Thomas F
APPLICANT: Liang, Yinghua
TITLE ON INVENTION: Identification of Novel Gene Family Members Expressed by
TITLE OF INVENTION: Hematopoietic Cells
FILE REPERENCE: 180/132 PGT/US
CURRENT APPLICATION NUMBER: US/10/433,287
CURRENT FILING DATE: 2003-11-12
NUMBER OF SEQ ID NOS: 81
SOFTWARE: Patentin version 3.2
SQF ID NO 42
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Publication No. US20030232037A1

GENERAL INFORMATION:

APPLICANT: Groot, Pieter C.

APPLICANT: Ossterhout van, Bram J.

APPLICANT: Ossterhout van, Antoon J.M.

TITLE OF INVENTION: With asthma

FILE REFRENKE: E93837U500

CURRENT APPLICATION NUMBER: US/10/369,214

CURRENT APPLICATION NUMBER: BP 00202867.8

PRIOR APPLICATION NUMBER: EP 0020867.8

PRIOR PELICATION NUMBER: PCT/NL01/00610

PRIOR FILING DATE: 2000-08-16

PRIOR FILING DATE: 2001-08-16
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Best Local Similarity 100.0%; Pred. No. 1.9e-122;
Matches 244; Conservative 0; Mismatches 0;
                                                                                                                             Sequence 42, Application US/10433287
Publication No. US20040137566A1
GENERAL INFORMATION:
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SEQ ID NO 123
LENGTH: 235
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US-10-433-287-42
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241 PIDL :
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                                                                                                                                                                        March 2, 2006, 18:51:46; Search time 9.44875 Seconds (without alignments) 516.474 Million cell updates/sec
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Sequence 2616
Sequence 731,
Sequence 1012
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1238
1 MDTESNRRANLALPQEPSSV......YSATYSELEDPGEMSPPIDL 244
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1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*

2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*

3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*

4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*

5: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*

6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*

7: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*

8: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
GenCore version 5.1.7 (c) 1993 - 2006 Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Potal number of hits satisfying chosen parameters:
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                    OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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26 78 6.3 446 7 US-II-108-172-II21 Sequence II21, Ap 28 76.5 6.2 394 6 US-10-821-234-I194 Sequence II94, Ap 28 76.5 6.2 372 6 US-10-821-234-I198 Sequence II94, Ap 29 76 6.1 608 7 US-II-167-856-I2 Sequence II. App1 20 7 US-II-167-856-I2 Sequence II. App1 31 74 6.0 461 7 US-II-036-797-36 Sequence 3584, Ap 31 74 6.0 479 7 US-II-036-09099 Sequence 2079, Ap 29 7 US-II-087-107-29 Sequence 2079, Ap 29 35 7 US-II-087-107-29 Sequence 2079, Ap 29 36 7 US-II-087-107-29 Sequence 2079, Ap 20 36 7 US-II-087-107-29 Sequence II330, Ap 20 36 7 US-II-087-1093-88 Sequence 3388, Ap 37 72.5 5.9 1228 7 US-II-087-1093-88 Sequence 338, App 37 72.5 5.9 1228 7 US-II-234-786-538 Sequence 537, App 39 72.5 5.9 1325 6 US-II-234-786-538 Sequence 537, App 40 72.5 5.9 1325 6 US-II-234-786-538 Sequence 10, App 41 72.5 5.9 5712 7 US-II-124-867A-410 Sequence 10, App 41 72.5 5.9 1325 7 US-II-124-980-47 Sequence 2356, Ap 21 7 US-II-163-980-47 Sequence II, App1 44 72 5.8 479 1US-II-098-686-II412 Sequence II, App1 45 71.5 5.8 172 7 US-II-098-686-II412 Sequence II, App1 45 71.5 5.8 172 7 US-II-098-686-II412 Sequence II, App1 45 71.5 5.8 172 7 US-II-098-686-II412 Sequence II, App1 45 71.5 5.8 172 7 US-II-098-686-II412 Sequence II, App1 5 US-II-0798-686-II412 Sequence II, App1 5 US-II-079-122-II*
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US-10-506-443A-38
US-10-506-443A-38
Sequence 38, Application US/10506443A
Publication No. US20060013817A1
GENERAL INFORMATION:
APPLICANT: Sahin Dr., Ugur
APPLICANT: Sahin Dr., Michael
APPLICANT: Roslowski Dr., Michael
TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use The TITLE OF INVENTION NUMBER: US/10/506,443A
CURRENT APPLICATION NUMBER: US/10/506,443A
NUMBER OF SEQ ID NOS: 100
SOFTWARE: Patentin version 3.1
SEQ ID NO 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SPPLHTWLTVLKKEQEFLGVTQILTAMICLCFGTVVCSV-LDISHIEGDIFSSFKAGYPF 102
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 267;
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Pred. No. 2.9e-11;
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; Publication No. US20050271662A1
; GENERAL INFORMATION:
; TITLE OF INVENTION: CANINE CD20 COMPOSITIONS
; TITLE OF INVENTION: CANINE CD20 COMPOSITIONS
; CURRENT APPLICATION WINDER: US/11/138,949
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: 60/575172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                        15.0%;
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                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 47; Conserv
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APPLICANT: Duclert, Avmeric
APPLICANT: Budgueleret, Lydie
APPLICANT: Bougueleret, Lydie
APPLICANT: Jobert, Severin
APPLICANT: Clusel, Carherine
TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
FILE REFERENCE: 56.024.CIP
CURRENT APPLICATION NUMBER: US/09/978,360A
CURRENT APPLICATION NUMBER: US 60.01-10-15
PRIOR APPLICATION NUMBER: US 60.000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        68 TAMICLCFGTVVCSVL---DISHIEGDIFSSFXAGYPFWGAIFFSISGMLSIISERRNAT 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       55 CGM-VLSLGIILASASFSPNFTQVTSTLLNS---AYPFIGPFFFIISGSLSIATKKRLTN 111
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 58;
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10.3%; Score 128; DB 5; L
Best Local Similarity 23.2%; Pred. No. 1.8e-05;
Matches 59; Conservative 35; Mismatches 102;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: PCT/IB98/02122
FILING DATE: 1998-12-17
APPLICATION NUMBER: US 09/247,155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1998-11-13
APPLICATION NUMBER: US 09/215,435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 60/069,957
FLING DATE: 1997-12-17
APPLICATION NUMBER: US 60/074,121
FILING DATE: 1998-02-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 60/096,116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1998-08-10
APPLICATION NUMBER: US 60/099,273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     125 YLVRGSLGANTASSIAGGTGITILII---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 60/081,563
FILING DATE: 1998-04-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 09/191,997
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LOCATION: (-25, 65, 79, 83,
OTHER INFORMATION: unknown
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                          160 HIHSC 164
                                                                    163 DİHNC 167
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                                                                                                                                                                                                                                                               12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LGVTQ1LTAMICLCFGTVVCSVLD1SH1EGD1FSSFKAGYPFWGA1FFS1SGMLS1ISER 120
                                                                                                                                                                                                                                                                                                                                                                                                                                 197 VSLTICGAGEELKGN--KVPEDRV-----YEELNIYSATYSELEDPGEMS---PPI 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              121 RNATYLVRGSLGANTASSIAGGTGITILIIN---------LKKSLAYIHIHS 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ---SA 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       59 EFLGVTQILTAMICLCFGTVVCSVLDISHIEGDIFS--SFKAGYPFWGAIFFSISGMLSI 116
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ----LKKSLAYI 159
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                                                                                                                                                                                                                                                                                                        1 MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQEF
                                                                                                                                                                                                                                                                                                                                                     MTTPRNSMSG-TLPADAMKSPT----AMNPVQKIIPKKMPSVVGPTQNFFM----KESKP
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                                                                                                                                                                                                              Length 298;
                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CQ-------KFFET--KCFMASFSTEIVVMMLFLTILGLG
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                                                                                                                                                                                                                                                            48; Mismatches 112;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Beall, Melissa J
TITLE OF INVENTION: CANINE CD20 COMPOSITIONS
FILE REFERENCE: 04-457A
CURRENT APPLICATION NUMBER: US/11/138,949
CURRENT PILING DATE: 2005-05-26
PRIOR APPLICATION NUMBER: 60/575172
PRIOR PILING DATE: 2004-05-28
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PATENTIN VERSION 3.3
                                                                                                                                                                                                                11.9%; Score 147.5; 22.6%; Pred. No. 2.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6, Application US/11138949
Publication No. US20050271662A1
GENERAL INFORMATION:
PRIOR FILING DATE: 2004-05-28
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn version 3.3
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Best Local Similarity 24.34
Matches 45; Conservative
                                                                                                                                                                                                                                                          68; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Canis familiaris US-11-138-949-6
                                                                                                              ; TYPE: PRT
; ORGANISM: Felis catus
US-11-138-949-9
                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 68; Conserv
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                                                                    SEQ ID NO 9
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                                                                                             LENGTH:
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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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OM protein - protein search, using sw model

2, 2006, 18:41:26 ; Search time 55.9681 Seconds March Run on:

(without alignments)
1530.851 Million cell updates/sec

US-10-088-703A-4 1002 1 MDTESNRRANLALPQEPSSV......SFSTVCIFFCVGRLRFWVLM 195 Title: Perfect score:

Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

2443163 segs, 439378781 residues Searched:

2443163 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 su

summaries

geneseqp2002s:* geneseqp2003as:* geneseqp1980s:* geneseqp1990s:* geneseqp2000s: geneseqp2001s: A_Geneseq_21:* Database :

geneseqp2003bs:* geneseqp2004s:* geneseqp2005s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

		o/P				
Result No.	Score	Query	Length	DB	QI .	Description
	1002	100.0	195	4	AAB74448	Aab74448 Human var
7	910	8.06	244	7	AAW29149	Human
e	910	90.8	244	~	AAW75918	Human
4	910	8.06	244	4	AAB72900	Aab72900 Human IGE
S.	910	90.8	244	4	AAB74447	-
9	910	8.06	244	Ŋ	ABP65043	Abp65043 Human mem
7	910	90.8	244	Ŋ	AAU88021	Aau88021 Human IGE
æ	910	90.8	244	ω	ADQ90468	Human
σ.	492	49.1	235	Ŋ	ABP65047	Mouse
10	492	49.1	235	ស	AAU88020	Aau88020 Mouse IgE
11	492	49.1	235	φ	ADQ90467	
12	475	47.4	243	~	AAR42341	Subuni
13	475	47.4	243	'n	ABP65048	Abp65048 Rat membr
14	475	47.4	246	N	. AAR14770	Aar14770 Beta subu
15	475	47.4	246	~	AAR42337	Aar42337 Human Fce
16	466	46.5	243	N	AAR05026	Aar05026 Beta subu
17	283	28.2	112	~	AAR05027	Aar05027 Deleted f
18	283	28.2	115	N	AAR14771	Aar14771 Truncated
19	189.5	18.9	244	4	AAG63825	Aag63825 Immunoglo
20	188.5	18.8	244	Ŋ	ABP65036	Abp65036 Mouse mem
21	188.5	18.8	619	വ	ADQ82232	Adq82232 Human tes
22	187.5	18.7	267	~	AAY15224	Aay15224 Human rec
23	187.5	18.7	267	9	ADA10964	Ada10964 Human cDN
24	187.5	18.7	273	4	ABG17004	Abg17004 Novel hum

Bec	Ġ	mem	mem	MS4	mem	pro	mem	pro	hid	pr	Bec	/an	pol	mem	aci	/an	133	bro	££i	hig
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135	Adr41397	Abp6504	Abp6504	Add13125	Ady9171	Aea0451	503	284	535	236	142	9134	0317	5023	5608	666	5105	999	6745	0174
Aay91352	Adr4	Abp6	Abpe	Add1	Ady9	Aeao	Abp65038	Adc42847	Aae05353	Abb72363	Aay91421	Adn39134	Abb90317	Abp65023	Abr55608	Adn39992	Adp25105	Adu06669	Aaw96745	Aay50174
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1352	1397	5040	5045	3125	1718	4513	5038	2847	5353	2363	1421	9134	0317	5023	5608	9992	5105	6999	5745	0174
AAY9135	ADR4139	ABP6504	ABP65045	ADD13125	ADY91718	<b>AEA0451</b>	ABP65038	ADC4284	AAE05353	ABB72363	AAY9142	ADN3913	<b>ABB9031</b>	ABP65023	ABR55608	ADN39992	ADP25105	ADU06669	AAW9674	4AY50174
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7.5	7.5	6.5	184	184	184	184	183	182.5	182	182	181.5	178	177	177	177	177	177	177	177	177
187.5	18	186		. •	••			18.		.,	18	•	• •	. ,	. 1	-1				•
25	56	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

# ALIGNMENTS

RESULT 1

Human; FcepsilonRibeta chain; immunoglobulin E; allergy; atopy; conjunctivitis; rhinitis; anaphylaxis; urticaria; angioedema. Moffatt MF; (ISIS-) ISIS INNOVATION LTD. (BETH-) BETH ISRAEL DEACONESS MEDICAL CENT. Human variant FcepsilonRIbeta chain. AAB74448 standard; protein; 195 AA. 21-SEP-2000; 2000WO-US025877. 99US-0154924P. (first entry) WO200121816-A1. Homo sapiens. 21-SEP-1999; 29-MAY-2001 29-MAR-2001. AAB74448; 

Jouvin M, Cookson W, Donnadieu E, Kinet J,

WPI; 2001-266077/27. N-PSDB; AAF77689. Inhibiting expression of high affinity receptors for immunoglobulin (Ig) E, in cell or in subject to treat atopy, anaphylaxis mediated by IgE, by contacting cell or administering to subject, a FCERIbeta chain variant.

Claim 5; Page 51; 55pp; English.

The present invention describes a method of inhibiting the expression of the FcepsilonRI receptor by contacting a cell expressing it with an FcepsilonRIbeta chain variant. The Fcepsilon receptor is a high affinity receptor for immunoglobulin E. The method is useful in the treatment of allergic conditions such as thinitis, conjunctivitis, atopy, anaphylaxis, urticaria and angioedema. The present sequence is the variant human FcepsilonRIbeta chain

Sequence 195 AA;

us-10-088-703a-4.rag

Sequence 244 AA;

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                                                                                                                                                                                   120
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                                                                                                                                                                                                                                                                                                RNATYLVRGSLGANTASSIAGGTGITILIINLKKSLAYIHIHSCQKFFETKCFWASFSTV 180
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                                                                                                                   1 MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQEF
                                                                                                                                                                                                           1 MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQEF
                                                                                                                                                                              LGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIISER
                                                                                                                                                                                                                                                                      RNATYLVRGSLGANTASSIAGGTGITILIINLKKSLAYIHIHSCQKFFETKCFMASFSTV
                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      human, immunoglobulin E; high affinity receptor; beta subunit; IgE; Fc epsilon RI beta; exon 7; variant; E237G; atopy; atopic asthma, detection; diagnosis; polymorphism; subgroup; clinical management.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Diagnosing atopy, or predisposition to it - by detection of immunoglobulin E high affinity receptor beta subunit exon 7 variant Glu237Gly.
                                               ö
  Length 195;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human high affinity IgE receptor beta chain E237G variant.
                                            Indels
Query Match 100.0%; Score 1002; DB 4; Best Local Similarity 100.0%; Pred. No. 1.7e-105; Matches 195; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "E237G variant"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAW29149 standard; protein; 244 AA.
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                                                                                                                                                                                                                                                                                                                                                                                         96WO-GB002095
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1997-179293/16.
N-PSDB; AAT86756.
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                                                                                                                                                                      LGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIISER 120
                                                                                                                             9
                                                                                                                                                                                                                                                       Human IgE receptor beta subunit protein - and corresponding peptide(s)
                                                                                                           61 LGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIISER
                                                                                   1 MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQEF
                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human beta subunit of Fc epsilon RI; ARAM; Fc epsilon RI beta chain; antigen recognition activation motif; human beta subunit; allergy; high-affinity immunoglobulin E receptor.
                                          ö
Length 244;
                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human beta subunit of Fc epsilon RI polypeptide sequence.
Score 910; DB 2; I
Pred. No. 7.3e-95;
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/note= "transmembrane domain"
             100.0%; Prec. .v..
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/note= "transmembrane
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                                                                                                                                                                                                                                                                                                                                                                                                           AAW75918 standard; protein; 244
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90.8%;
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                                        Matches 179; Conservative
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/note= "
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and fusion protein.
                 Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAW75918;
Query Match
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US-10-088-703A-4 1002 Title: Perfect score:

1 MDTESNRRANLALPQEPSSV......SFSTVCIFFCVGRLRFWVLM 195 Sequence:

Scoring table:

283416 segs, 96216763 residues BLOSUM62 Gapop 10.0 , Gapext 0.5 Searched:

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 su

PIR_80:*
1: pir1:*
2: pir2:*
3: pir3:* Датараве :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

		æ			SUMMARIES	
Result No.	Score	Query Match	Length	DB	ID	H
	910	90.8	244	2	A42806	IGE For receptor be
7	260	55.9	152	~	JH0751	IgE receptor beta
m	492	49.1	235	~	B34342	IGE Fc receptor be
4	475	47.4	243	7	A31231	high-affinity IGE
S	153	15.3	214	~	159258	IgE receptor beta
9	124	12.4	297	-	A30586	B-cell surface ant
7	113	11.3	200	~	JC7585	
80	103.5	10.3	291	~	A30558	B-cell surface ant
D	89	8.9	904	Ή.	RDNTNT	nitrate reductase
10	85.5	8.5	1235	7	C69165	hypothetical prote
11	83.5	8.3	466	~	H81697	amino acid antipor
12	83.5	8.3	699	N	T08827	. hypothetical prote
13	83.5.	. 8.3	4447	7	A69679	polyketide synthas
14	81.5	8.1	377	'n	G71341	conserved hypothet
15	81	. 8	891	Н	RDBHNP	nitrate reductase
16	80	8.0	904	-	RDNTNS	nitrate reductase
17	. 80	8.0	921	N	E86764	conserved hypothet
18	79.5	7.9	449	N	G95876	probable permease
19	79.5	7.9	701	~	F70155	. Na+/H+ antiporter
20	79	7.9	282	~	826030	NADH2 dehydrogenas
. 21	78.5	7.8	629	~	E86313	hypothetical prote
22	77.5	7.7	362	~	C88086	protein TllFl.1 [i
23	77	7.7	358	N	C82281	ferric vibriobacti
24	77	7.7	387	~	A47287	estradiol 17beta-d
25	77	7.7	917	7	E96807	nitrate reductase
	. 77	7.7	917	~	S35228	nitrate reductase
27	76.5	9.6	570	7	507744	NADH2 dehydrogenas
	96	7.6	125	0	D85595	probable membrane
29	16	7.6	125	7	H90744	probable membrane

C;Accession: JH0751 R;Bieber, T.; de la Salle, H.; Wollenberg, A.; Hakimi, J.; Chizzonite, R.; Ring, J.; H

C;Species: Homo sapiens (man) C;Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 09-Jul-2004

IgE receptor beta chain - human (fragment)

g

probable membrane nonstructural prot	hypothetical prote	down-requlated in	nitrate_reductase	hypothetical prote	histidine protein	sensor histidine k	NADH2 dehydrogenas	suppressor protein	CAMP receptor prot	conserved hypothet	presenilin-beta -	hypothetical prote	hydroxymethylgluta	dynein heavy chain
H64822 S12593	T46290	A47456	JN0665	T33372	A46414	C87381	QXBOSM	S64795	A42949	G75372	JC5391	D84264	S72194	T43274
0 0	0	~	N	N	~	~	Н	~	-	2	7	N	~	N
229	463	764	606	1010	596	597	909	699	230	258	449	584	1053	4196
7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
76 76	9/	92	92	96	75.5	75.5	75.5	75.5	75	75	75	. 75	75	75
<u>.</u> .	N	~	4	Z.	9	7	80	6	0	-4	~	~	4	δ.

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R;Maekawa, K.; Imagawa, N.; Tanaka, Y.; Harada, S.
FEBS Lett. 302, 161-165, 1992
A;Title: Determination of the sequence coding for the beta subunit of the human high-s
A;Reference number: S21154; MUID:92339505; PMID:1386024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Cross-references: UNIPARC: UPI0000038E6F; GB; D10583; NID: g219881; PIDN: BAA01440.1; P1
C; Genetics:
                                                                                                                                                                                                                                                                       A;Residues: 1-244 «KUE>
A;Residues: 1-244 «KUE>
A;Cross-references: UNIPROT:Q01362; UNIPARC:UPI0000038E6F; GB:M89796; NID:g337417; PIL
R:Maekawa. K.: Imagawa, N.; Tanaka, Y.; Harada, S.
                                                                       61 LGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIISER 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Species: Homo sapiens (man)
C;Date: 19-May-1994 #sequence_revision 19-May-1994 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQEF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQEF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
90.8%; Score 910; DB 2; Length 244;
Best Local Similarity 100.0%; Pred. No. 1.4e-80;
Matches 179; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AjIntrons: 19/2; 62/3; 107/3; 126/3; 179/3; 212/3
C; Keywords: immunoglobulin receptor; transmembrane protein
  - human
receptor beta chain
                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Status: preliminary A;Molecule type: mRNA
                                                                                                                                                                                                                               A;Status: preliminary
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GB:M22923; GB:J03845; NID:ç

118 118

28

Gaps

16;

Indels

Length 243;

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C,Accession: 159258
R;Adra, C.N.; Lelias, J.M.; Kobayashi, H.; Kaghad, M.; Morrison, P.; Rowley, J.D.; Lin
Proc. Natl. Acad. Sci. U.S.A. 91, 10178-10182, 1994
A;Title: Cloning of the cDNA for a hematopoletic cell-specific protein related to CD2(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A, Title: Structure of the gene encoding the human B lymphocyte differentiation antiger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Cross-references: UNIPARC:UP1000002EF35; GB:L35848; NID:g561638; PIDN:AAA62319.1;
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                           IGE receptor beta chain / CD20 antigen homolog - human
C;Species: Homo sapiens (man)
C;Date: 31-May-1996 #sequence_revision 31-May-1996 #text_change 05-Nov-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C;Species: Homo sapiens (man)
C;Date: 08-Jun-1989 #sequence revision 02-Aug-1996 #text_change 09-Jul-2004
C;Accession: A30586; JL0042; A27400; S00387
C;RTedder, T.F.; Klejman, G; Schlossman, S.F.; Saito, H.
J. Immunol. 142, 2560-2568; 1989
                                                                                                                                                                                                                                                             59 EFLGYTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIIS
                                                                                                                                                                                                                                                                                           23 ETGPEELNTSVYHPINGSPDYQ-----KAKLQVLGAIQILNAAMILALGVFLGSLQYPY
                                                                                                                                                                    1 MDTESNRRANLAL - PQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQ
                                                                                                                                                                                                  ERRNATYLVRGSLGANTASSIAGGTGITILIINLKKSLAYIHIHSCOKFFETK-CFMASF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    87 HIEGD-IFSSFKAGYPFWGAIFFSISGMLSIISERRNATYLVRGSLGANTASSIAGGTGI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27 EISPOEVSSGRILKSASSPPLHTWLTVLKKEQEFLGVTQILTAMICLCFGTVVCSVLDIS
A, Cross-references: UNIPROT: P13386; UNIPARC: UPI000003FF8D; C; Keywords: immunoglobulin receptor; transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Reference number: I59258; MUID: 95024008; PMID: 7524084
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    146 TILIINLKKSLAYIHIHSCOKFFETK--C-FMASFS 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 137 AFLSLNIAVNIQ -- SLRSCHSSSESPDLCNYMGSIS 170
                                                                    47.4%; Score 475; DB 2;
51.8%; Pred. No. 1.9e-38;
iive 23; Mismatches 56;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
15.3%; Score 153; DB 2;
Best Local Similarity 28.8%; Pred. No. 2.6e-07;
Matches 45; Conservative 26; Mismatches 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           B-cell surface antigen CD20 - human
N;Alternate names: B-lymphocyte antigen CD20; B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A.Cross-references: GDB:392702
A.Map position: 11q12-11q13.1
C.Keywords: immunoglobulin receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           177 ITELVLMLLFLTILAFC 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                178 STVCIF-----FC
                                                                                           Best Local Similarity 51.88
Matches 102; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Residues: 1-214 <RES>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Gene: GDB: CD20L; HTM4
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                                                                         Query Match
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            A;Title: Human epidermal Langerhans cells express the high affinity receptor for immunog A;Reference number: JH0751; MUID:92235608; PMID:1533242 A;Accession: JH0751
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A;Residues: 1-235 <RAC>
A;Cross-references: UNIPROT:P20490; UNIPARC:UPI00000223FC; GB:J05019; NID:g193238; PIDN
C;Keywords: immunoglobulin receptor; transmembrane protein
                                                                                                                                                                       NID: 9396463; PIDN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (Fc-epsilon-RI) and
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A; Title: Isolation and characterization of cDNAs coding for the beta-subunit A; Reference number: A31231; MUID:88320465; PMID:2970642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               high-affinity IgE receptor beta chain - rat
C;Species: Rattus norvegicus (Norway rat)
C;Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 09-Jul-2004
C;Accession: A31231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C;Speciés: Mus musculus (house mouse)
C;Date: 15-Jun-1990 #sequence_revision 15-Jun-1990 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                  71 ICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIISERRNATYLVRGS
                                                                                                                                                                                                                                                                                                                                           1 ICLCFGTWVCSVLDISHIEGDIFSSFRAGYPFWGAIFFSISGMLSIISERRNATYLVRGS
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                                                                                             A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-152 <BIE>
A;Cross-references: UNIPROT:Q14298; UNIPARC:UP10000073ACE; GB:X66187;
                                                                                                                                                                                                                                                                    ..
0
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J. Biol. Chem. 264, 15323-1537, 198
A;Title: Complete structure of the mouse mast cell receptor for 19B
A;Reference number: A34342; MUID:89359361; PMID:2527850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24;
                                                                                                                                                                                                                                                                                                                                                                                                                                           LGANTASSIAGGTGITILIINLKKSLAYIHIHSCQKFFETKCFMASFST 109
                                                                                                                                                                                                                                                                                                                                                                                                               LGANTASSIAGGTGITILIINLKKSLAYIHIHSCQKFFETKCFMASFST 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    49.1%; Score 492; DB 2; Length 235; llarity 52.3%; Pred. No. 4.2e-40; Conservative 26; Mismatches 44; Indels
                                                                                                                                                                                                                  Length 152
                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                        Pred. No. 6.4e-47;
1; Mismatches 0
                                                                                                                                                                                                                    Score 560; DB 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       receptor beta chain - mouse
  Med. 175, 1285-1290, 1992
                                                                                                                                                                                                               55.9%;
ilarity 99.1%;
Conservative
                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 108; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-235 <RAC>
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Matches 103; Conserv
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A;Molecule type: mRNA
A;Residues: 1-243 <KIN>
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Length 214;

# GenCore version 5.1.7 Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

March 2, 2006, 18:44:51 ; Search time 143.918 Seconds
 (without alignments)
955.947 Million cell updates/sec

Run on:

US-10-088-703A-4 1002 1 MDTESNRRANLALPQEPSSV.....SFSTVCIFFCVGRLRFWVLM 195 Title: Perfect score: Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

2166443 segs, 705528306 residues Searched:

2166443 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

UniProt_05.80:*
1: uniprot_sprot:*
2: uniprot_trembl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Description	Q01362 homo sapien	homod	Q14298 homo sapien	mus m	Q8mj38 sus scrofa	P13386 rattus norv	Q99n09 mus musculu	Q5xij0 rattus norv	homo		mus	Q99n07 mus musculu	Q96jq5 homo sapien	homo	рошо	Q99n08 mus musculu	Q567k1 brachydanio		bog t	mus	mus	BUM	Q8b129 mus musculu	Q99n04 mus musculu	Q8bv59 mus musculu	Q8r3w1 mus musculu	Q810p8 mus musculu	homo	homo	felig	Q9h2w1 homo sapien
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OI.	FCERB HUMAN	Q54A81 HUMAN	Q14298 HUMAN	FCERB MOUSE	Q8MJ38 PIG	FCERB RAT	M4A6B MOUSE	QSXIJO RAT	Q96JA4_HUMAN	M4A12 HUMAN	M4ABA_MOUSE	M4A6D MOUSE	M4A4A HUMAN	M4A8B HUMAN	Q4JF27 HUMAN	M4A6C MOUSE	Q567KI BRARE	MS4A3_HUMAN	Q58DM5_BOVIN	MS4A3 MOUSE	Q810H7_MOUSE	O53ZU3_MOUSE	Q8BL29_MOUSE	Q99N04_MOUSE	Q8BV59 MOUSE	Q8R3W1 MOUSE .	Q810P8_MOUSE	MS4A7 HUMAN	Q61AG8_HUMAN	QSR1M8_FELCA	M4A6A_HUMAN
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Q14298;
                                                                 Matches 179; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation-the European Bioinformatics Institute. There are no restrictions on the BR long as an incommendation of the set of the 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               use as long as its content is in no way modified and this statement is not
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                                                                                                                                                                                                                         [5]
VARIANT GLY-237.
MEDLINE=96440420; PubMed=8842731; DOI=10.1093/hmg/5.8.1129;
Shirakawa T., Mao X.-Q., Sasaki S., Enomoto T., Kawai M., Morimoto K.,
                                                                                                                                                                                                                                                                                                                                                                                "Association between atopic asthma and a coding variant of Fc-epsilon-RI-beta in a Japanese population.";
Hum. Mol. Genet. 5:1129-1130(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=97123518; PubMed=8968765;
Shirakawa T., Mao X.-Q., Sasaki S., Enomoto T., Kawai M., Morimoto K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   affinity receptor. Responsible for initiating the allergic response. Binding of allergen to receptor-bound 1gB leads to cell activation and the release of mediators (such as histamine) responsible for the manifestations of allergy. The same receptor also induces the secretion of important lymphokines. SUBUNIT: Tetramer of an alpha chain, a beta chain, and two disulfide linked gamma chains.

SUBCELIULAR LOCATION: Integral membrane protein.

TISSUE SPECIFICITY: Found on the surface of mast cells and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hum. Mol. Genet. 5:2068-2068(1996).
-!- FUNCTION: Binds to the Fc region of immunoglobulins epsilon. High
                                                                                                  for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -!- POLYMORPHISM: Variant Glu-237 has been found to be present in about 5.3% of a 1004 individuals population sample in Australia. It seems to be a risk factor for atopic dermatitis and asthma. -!- SIMILARITY: Belongs to the MS4A family.
VARIANT GLY-237.

MEDITINE-86414302; PubMed=8817330; DOI=10.1093/hmg/5.7.959;
Hill M.R., Cookson W.O.;
"A new variant of the beta subunit of the high-affinity receptor immunoglobulin B (Fc epsilon RI-beta E2376); associations with measures of atopy and bronchial hyper-responsiveness.";
Hum. Mol. Genet. 5:959-962(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GO:0005287; C:integral to plasma membrane; TAS.
GO:0005262; F:calcium channel activity; TAS.
GO:0008283; P:cell proliferation; TAS.
GO:0007186; P:G-protein coupled receptor protein signalin.
GO:0006959; P:humoral immune response; TAS.
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IgE-binding protein; Multigene family; Polymorphism; Receptor;
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Extracellular (Potential)
Potential.
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E -> G (in dbSNP:569108).
/FTId=VAR 003965.
CE523102D5F567AF CRC64;
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EMBL; M89796; AAA60269.1; -; Genomic_DNA.
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Ensembl; ENSG0000149534; Homo sapiens.
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61 LGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIISER 120
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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"Regulation of human FcepsilonRI beta chain gene expression by Oct-
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Akizawa Y., Nishiyama C., Hasegawa M., Maeda K., Nakahata T.,
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
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EMBL; AB080913; BAC66486.1; -; Genomic_DNA..
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90.8%; Score 910; DB
100.0%; Pred. No. 2e-
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Title: Perfect score:

Sequence:

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Run on:

Scoring table:

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Minimum DB Maximum DB

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Result No.

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Sequence 32, Application US/07869933
Patent No. 5770396
GENERAL INFORMATION:
APPLICANT: KINET, Jean-Pierre
TITLE OF INVENTION: THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR TITLE OF INVENTION: THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR TITLE OF INVENTION: MANUAGLOBULIN
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STRIET: USA
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Sequence 212, App
Sequence 207, App
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/869,933
Query Match 90.8%; Score 910; DB 1; Best Local Similarity 100.0%; Pred. No. 2e-102; Matches 179; Conservative 0; Mismatches 0.
                                                                                                                                                                                                                                                                                                                              ALIGNMENTS
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CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 4039:
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 899149
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
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TYPE: AMINO ACID
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US-07-869-933-32
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Sequence 3, Appli
                                                                                              March 2, 2006, 18:46:52 ; Search time 16.4351 Seconds
    (without alignments)
    980.936 Million cell updates/sec
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 GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd
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/cgn2_6/ptodata/1/iaa/6_COMB.pep:*
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/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
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US-07-869-933-34
US-08-201-879A-5
US-09-103-663-34
US-07-869-933-29
US-07-869-933-29
US-07-869-933-33
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US-09-213-389-4
US-09-103-663-29
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Maximum Match 100%
Listing first 45 summaries
                                                                - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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seq length: 200000000
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Match Length
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Gaps

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177 177 174.5 174.5

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Sequence 5822, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Isolation, characterization, and use of the human beta TITLE OF INVENTION: subunit of the high affinity receptor for TITLE OF INVENTION: immunoglobulin E. TITLE OF INVENTION: immunoglobulin E. CURENT APPLICATION NUMBER: US/09/103,663D CURRENT FILING DATE: 1998-06-23 EARLIER APPLICATION NUMBER: 07/869,933 EARLIER FILING DATE: 1992-04-16 SOFTWARE: PILING DATE: 1992-04-16 SOFTWARE: PARLIER FILING DATE: 1092-04-16 SOFTWARE: PARLIER FILING DATE: 1092-04-16 SOFTWARE: PARLIER FILING DATE: 1992-04-16 SOFTWARE: PARLIER FILING DATE: PARLIER PARLIER PARLIER PARLIER FILING DATE: PARLIER PA
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                                    121 RNATYLVRGSLGANTASSIAGGTGITILIINLKKSLAYIHIHSCQKFFETKCFMASFST 179
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90.8%; Score 910; DB 2;
Best Local Similarity 100.0%; Pred. No. 2e-102;
Matches 179; Conservative 0; Mismatches . 0;
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iive 0; Mismatches 0.
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PRIOR FILING DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-03
PRIOR PILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SEQ ID NO 5992
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CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
                                                                                                                                                                                                                   Sequence 32, Application US/09103663D Patent No. 6171803 GENERAL INFORMATION:
APPLICANT: Kinet et al.
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Best Local Similarity 100.
Matches 179, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: KINET, Jean-Pierre
APPLICANT: JOUVIN, Marie-Helene
TITLE OF INVENTION: ISOLATION, CHARACTERIZATION
TITLE OF INVENTION: THE HUMAN B SUBUNIT OF THE
TITLE OF INVENTION: IMMUNOGLOBULIN E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 910; DB 1;
Pred. No. 2e-102;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 40399/234/NIHD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 3, Application US/08201879A
Patent No. 5807988
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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Sequence 124, Application US/10369214

Publication No. US20030232037A1

GENERAL INFORMATION:
APPLICANT: Bergenhenegouwen van, Bram J.
APPLICANT: Bergenhenegouwen van, Antoon J.M.
TITLE OF INVENTION: Genes involved in immune related responses observed
TITLE OF INVENTION: With asthma
FILE REFREENCE: P53837US00

CURRENT APPLICATION UNMBER: US/10/369,214

CURRENT FILING DATE: 2003-02-16

PRIOR PILING DATE: 2000-08-16

PRIOR APPLICATION NUMBER: PCT/NL01/00610

PRIOR FILING DATE: 2000-08-16

NUMBER OF SEQ ID NOS: 139

SOFTWARE: Patentin Ver. 2.1
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US-09-10-616-263-152
US-09-902-941-1677
US-09-902-941-1677
US-10-017-754-1677
US-10-017-754-2004
US-10-156-136-21
US-10-156-136-21
US-10-156-136-21
US-10-283-017-2604
US-10-283-017-2664
US-10-283-017-2566
US-10-285-027-644
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US-09-952-297-764
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; OTHER INFORMATION: /note="1gE receptor beta chain"
US-10-369-214-124
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100.0%; Pred. No. 6.3e-90;
tive 0; Mismatches 0;
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US-10-433-287-42
'Sequence 42, Application US/10433287
'Publication No. US20040137566A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 179; Conservative
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Sequence 123, Appl
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                                                                                                                                                                  2, 2006, 18:50:58; Search.time 54.1913 Seconds (without alignments) 1503.501 Million cell updates/sec
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Sequence 103,
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1 MDTESNRRANLALPQEPSSV......SFSTVCIFFCVGRLRFWVLM 195
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Length 244; 0; Indels 9

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Sequence 52, Application US/10433287
Publication No. US20040137566A1
GENERAL INFORMATION:
APPLICANT: Tedder, Thomas F
APPLICANT: Identification of Novel Gene Family Members Expressed by TITLE OF INVENTION: Hematopoietic Cells
FILE PEFERENCE: 180/132 PCT/US
CURRENT APPLICATION NUMBER: US/10/433,287
CURRENT FILING DATE: 20031-112
                                                                                                                                                                                                                                                                         Sequence 50, Application US/10433287
Publication No. US2040137566A1
GENERAL INFORMATION:
APPLICANT: Tedder, Thomas F
APPLICANT: Infang, Yinghua
TITLE OF INVENTION: Identification of Novel Gene Family Members Expressed by
TITLE OF INVENTION: Hemacopoietic Cells
FILE REFERENCE: 180/132 PCT/US
CURRENT APPLICATION UNMER: US/10/433,287
CURRENT FILING DATE: 2003-11-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              51 EFLGATQILVGLICLCFGTIVCSVLYVSDPDEEVLLLYKLGYPFWGAVLFVLSGFLSIIS 110
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    59 EFLGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIIS 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    119 ERRNATYLVRGSLGANTASSIAGGTGITILIINLKKSLAYIHIHSCQKFFETK-CFMASF 177
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                                                                                                                                                    169 TTELVLMMLFLTILAFC 185
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169 TTELVLMMLFLTILAFC 185
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SOFTWARE: PatentIn version 3.2
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 52
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                                                                                                        178 STVCIF----
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Best Local Similarity
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APPLICANT: Tedder, Thomas F
APPLICANT: Liang, Yinghua
TITLE OF INVENTION: Identication of Novel Gene Family Members Expressed by
TITLE OF INVENTION: Hematopoietic Cells
FILE REFERENCE: 180/132 PCT/US
CURRENT APPLICATION NUMBER: US/10/433,287
CURRENT FILING DATE: 2003-11-12
NUMBER OF SEQ ID NOS: 81
SOFTWARE: Patentin version 3.2
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APPLICANT: Groot, Pieter C.
APPLICANT: Bergenhenegouwen van, Bram J.
APPLICANT: Bosterhuer van, Antoon J.M.
TITLE OF INVENTION: Genes involved in immune related responses observed
TITLE OF INVENTION: with asthma
FILE REFERENCE: P53837US00
CURRENT APPLICATION NUMBER: US/10/369,214
CURRENT APPLICATION NUMBER: EP 00202867.8
PRIOR APPLICATION NUMBER: EP 00202867.8
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; OTHER INFORMATION: /note="IgB receptor beta chain"
US-10-369-214-123
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 123, Application US/10369214 Publication No. US20030232037A1 GENERAL INFORMATION:
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Best Local Similarity 52.3*
Matches 103; Conservative
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Best Local Similarity 100.
Matches 179; Conservative
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NAME/KEY: SITE
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                                                                                                                                                                                                                SEQ ID NO 42
TENGTH: 244
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LENGTH: 235
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Sequence Sequence Sequence Sequence Sequence

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Sequence

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Sequence Sequence Sequence

Sequence 3

Sequence

Sequence 11674,

Minimum DB E Maximum DB E

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Result 8

Seguence:

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US-10-506-443A-38
Sequence 38, Application US/10506443A
Sequence 38, Application US/10506013817A1
Sequence 38, The Sequence 38, Application US/10506013817A1
Sequence 38, Application No. US20060013817A1
September 1 Investion No.
APPLICANT: State 1 Investion No.
APPLICANT: Koslowski Dr., Michael
APPLICANT: Koslowski Dr., Michael
TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use The
FILE REPERENCE: 342-3PCT
CURRENT APPLICATION NUMBER: US/10/506,443A
CURRENT FILING DATE: 2004-09-01
SOFTWARE: Patentin version 3.1
SEQ ID NO 38
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                103 WGAIFFSISGMLSIISERRNATYLVRGSLGANTASSIAGGTGITILIINL-----
US-11-087-099-6210

US-11-167-65-12

US-10-645-441-7

US-10-725-475-17

US-10-912-580-7

US-10-912-580-8

US-11-0912-580-8

US-11-0912-580-8

US-11-0912-580-8

US-11-0912-580-8

US-11-091-681-834

US-11-007-099-5015

US-11-007-099-5015

US-11-007-099-1241

US-11-1210-316-14

US-11-124-367A-285

US-11-087-099-2288
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Sequence 6, Application US/11138949
Publication No. US20050271662A1
GENERAL INFORMATION:
APPLICANT: Beall, Melissa J
TITLE OF INVENTION: CANINE CD20 COMPOSITIONS
FILE REFERENCE: 04-457A
CURRENT PAPLICATION NUMBER: US/11/138,949
CURRENT FILING DATE: 2005-26
FRIOR APPLICATION NUMBER: 60/575172
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   ORGANISM: Homo sapiens
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Best Local Similarity
Matches 47; Conserv
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1194, Ap
10325, A
36, Appl
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                                                                                                          2, 2006, 18:51:46; Search time 7.55125 Seconds (without alignments) 516.474 Million cell updates/sec
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1002
1 MDTESNRRANLALPOEPSSV.....SFSTVCIFFCVGRLRFWVLM 195
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1: /cgn2_6/prodata/2/pubpaa/US08 NEW PUB.pep:*
2: /cgn2_6/prodata/2/pubpaa/US06 NEW PUB.pep:*
3: /cgn2_6/prodata/2/pubpaa/US07 NEW PUB.pep:*
4: /cgn2_6/prodata/2/pubpaa/PCT_NEW_PUB.pep:*
5: /cgn2_6/prodata/2/pubpaa/US10 NEW_PUB.pep:*
6: /cgn2_6/prodata/2/pubpaa/US10 NEW_PUB.pep:*
7: /cgn2_6/prodata/2/pubpaa/US11 NEW_PUB.pep:*
8: /cgn2_6/prodata/2/pubpaa/US11 NEW_PUB.pep:*
                 GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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US-11-138-943-9
US-11-139-364-25
US-11-138-949-7
US-11-139-364-26
US-11-179-018-2
US-11-179-018-2
US-11-179-018-8
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US-11-179-018-8
US-11-179-018-8
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                                                                                 OM protein - protein search, using sw model
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Maximum Match 100%
Listing first 45 summaries
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seq length: 200000000
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99.5
83.5
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Gaps

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72.5 71.5 71.5 71.5 71.7 70.5

Length 267; 58; Indels

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NUMBER OF SEQ ID NOS: 38
SEQ ID NO 25
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                   59 EFLGVTQILTAMICLCFGTVVCSVLDISHIEGDIFS--SFKAGYPFWGAIFFSISGMLSI 116
                                                                                                                                                                                                                                                                                                                                                                        50 KTLGAVQIMNGLFHIALGSLLM-----IHTDVYAPICITMWYPLWGGIMFIISGSLLA 102
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                                                                                                                                                                                                                                                                              1 MTTPRNSMSG-TLPVDPMKSPTAMYPVQKIIPKR-----MPSVVGPTQNFFM----RES 49
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                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                  Indels 39;
                                                                                                                                                                           DB 7; Length 297;
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Best Local Similarity 22.8%; Pred. No. 1.3e-07; Matches 49; Conservative 39; Mismatches 81; Indels
                                                                                                                                                                         14.3%; Score 143.5; DB 7; 24.3%; Pred. No. 8.7e-08; iive 33; Mismatches 68;
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Publication No. US20050271662A1
GENERAL INFORMATION:
APPLICANT: Beall, Melissa J
TITLE OF INVENTION: CANINE CD20 COMPOSITIONS
FILE REFERENCE: 04-457A
CURRENT APPLICATION NUMBER: US/11/138,949
CURRENT APPLICATION NUMBER: 00/575172
PRIOR APPLICATION NUMBER: 60/575172
PRIOR FILING DATE: 2004-05-28
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PRICR FILING DATE: 2004-05-28
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn version 3.3
SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn version 3.3
                                                                                              ; TYPE: PRT
; ORGANISM: Canis familiaris
US-11-138-949-6
                                                                                                                                                                                            1 Similarity 24.39 45; Conservative
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Best Local S
Matches 45
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RESULT 4 US-11-190-364-25

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54 AVQIMNGLFHIALGGLLM-----IPAGIYAPICVTVWYPLWGGIMYIISGSLLAATEK 106
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Publication No. US20060034835A1
GENERAL INFORMATION:
APPLICANT: Adams ET AL.
TITLE OF INVENTION: Immunoglobulin Variants and Uses Thereof
FILE REFERENCE: P1990R3C1:
CURRENT FILING DATE: 2005-06-07
PRIOR APPLICATION NUMBER: US 60/434,115
PRIOR FILING DATE: 2002-12-16
PRIOR FILING DATE: 2003-12-16
PRIOR APPLICATION NUMBER: US 60/526,163
PRIOR FILING DATE: 2003-12-01
PRIOR PELING DATE: 2003-12-01
PRIOR APPLICATION NUMBER: PCT/US03/40426
PRIOR FILING DATE: 2003-12-01
APPLICANT: Addams ET AL.

TITLE OF INVENTION: Immunoglobulin Variants and Uses Thereof
FILE REPRENCE: P1990R3C1P1
CURRENT APPLICATION UNMER: US/11/190,364
CURRENT FILING DATE: 2005-07-26
FRIOR APPLICATION UNMER: US 60/434,115
PRIOR APPLICATION UNMER: US 60/526,163
PRIOR APPLICATION NUMBER: US 60/526,163
PRIOR APPLICATION NUMBER: PCT/US03/40426
PRIOR APPLICATION NUMBER: US 11/147,780
PRIOR FILING DATE: 2003-12-16
PRIOR FILING DATE: 2003-12-16
PRIOR FILING DATE: 2003-12-16
PRIOR FILING DATE: 2003-13-16
PRIOR FILING DATE: 2003-10-16
PRIOR FILING DATE: 2003-10-16
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PRIOR FILING DATE: 2003-10-16
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; Pred. No. 9.3e-06;
30; Mismatches 74;
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; Pred. No. 9.3e-06;
30; Mismatches 74
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24.3%;
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Matches 42; Conservative
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